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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/728,067
				Filing Date	12/03/2003
				First Named Inventor	Buechler et al.
				Art Unit	1641
				Examiner Name	Jung
Sheet 1 of 3				Attorney Docket Number	071949-5604

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Application Document	Filing Date of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
/U.J./	A1	WO 96/032648	10-17-1996	Spectral Diagnostics, Inc.		
	A2	WO 00/052476	09-08-2000	Skye Pharmatech Incorporated		
	A3	WO 02/023191	03-21-2002	University of Sydney		
	A4	WO 02/059822	08-01-2002	Biowulf Technologies LLC		
	A5	WO 02/083913	10-24-2002	Biosite Diagnostics, Inc.		
	A6	WO 02/089657	11-14-2002	Biosite, Inc.		

NON PATENT LITERATURE DOCUMENTS			
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/U.J./	A7	AY et al., Creatine kinase-MB elevation after stroke is not cardiac in origin: Comparison with troponin T levels. Stroke 33:286-289, 2002.	
/U.J./	A8	BEN-DOR et al., Tissue classification with gene expression profiles. Proceedings of the Fourth Annual International Conference on Computational Molecular Biology, 2000, p. 54-64.	

Examiner Signature	/Unsu Jung/	Date Considered	06/29/2007
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/U.J./	A9	FUTTERMAN et al., Novel markers in the acute coronary syndrome: BNP, IL-6, PAPP-A, American Journal of Critical care, 11(2): 168-172, 2002.			
	A10	LAMERS et al., Cerebrospinal neuron-specific enolase, S-100 and myelin basic protein in neurological disorders. Acta Neurologica Scand 92:247-251, 1995.			
	A11	PERSSON et al., S-100 protein and neuron-specific enolase in cerebrospinal fluid and serum: markers of cell damage in human contral nervous system. Stroke 18:911-918, 1987.			
	A12	QUINN et al., D-Dimers in the diagnosis of pulmonary embolism. Am J Respir Crit Care Med 159:1445-1449, 1999.			
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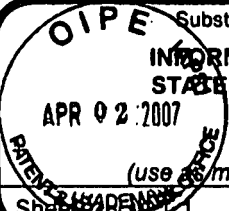
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/U.J./	A19	European Search Report for EP Application No. 03 81 0896.	
/U.J./	A20	Supplementary Partial European Search Report for EP Application EP 03 81 4398	

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		Filing Date	12/3/2003
		First Named Inventor	Kenneth F. Buechler
		Art Unit	1641
		Examiner Name	Jung, Unsu
		Attorney Docket Number	071949-5604

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/U.J./	A1	US 6,309,888	10-30-2001	Holvoet et al.	
/U.J./	A2	US 2002/0106708	08-08-2002	Thomas et al.	

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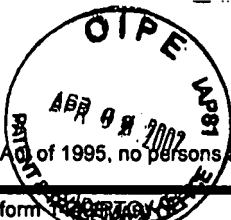
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/U.J./	A3	HEESCHEN et al., "Troponin concentrations for stratification of patients with acute coronary syndromes in relation to therapeutic efficacy of tirofiban." The Lancet, Vol. 354, pp. 1757-1762, 1999.	
	A4	INDIK and ALPERT, "Detection of pulmonary embolism by D-dimer assays, spiral computed tomography, and magnetic resonance imaging." Progress in Cardiovascular Diseases, Vol. 42, pp 261-272, 2000.	
	A5	KLINE et al., "New diagnostic tests for pulmonary embolism." Annals of Emergency Medicine Vol. 35, pp. 168-180, 2000.	
	A6	SINGH et al., "Optimization technique in human gall bladder health care system." The 1996 IEEE International Conference on Systems, Man and Cybernetics. Part 4 (of 4). Vol. 4, pp 2855-2857, 1996.	
	A7	ZWEIG and CAMPBELL, "Receiver-operating characteristic (ROC) Plots: A fundamental evaluation tool in clinical medicine." Clin. Chem., Vol. 39(4), pp 561-577, 1993.	

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Substitute for form **INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/728,067
Filing Date	12/3/2003
First Named Inventor	Kenneth F. Buechler
Art Unit	1641
Examiner Name	Jung, Unsu
Attorney Docket Number	071949-5604

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

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/U.J./	A8	Amar <i>et al.</i> , "Interleukin 6 is associated with subclinical atherosclerosis: a link with soluble intercellular adhesion molecule 1." <i>J. Hypertens.</i> 24:1083-88, 2006.	
	A9	Beloqui <i>et al.</i> , "Monocyte cyclooxygenase-2 overactivity: a new marker of subclinical atherosclerosis in asymptomatic subjects with cardiovascular risk factors?" <i>Eur. Heart J.</i> 26:153-58, 2005.	
	A10	Christenson <i>et al.</i> , "Standardization of Cardiac Troponin I Assays: Round Robin of Ten Candidate Reference Materials," <i>Clin. Chem.</i> 47: 431-37, 2001.	
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	A12	Hulthe and Fagerberg, "Circulating oxidized LDL is associated with subclinical atherosclerosis development and inflammatory cytokines (AIR study)." <i>Arterioscler. Thromb. Vasc. Biol.</i> 22: 1162-1167, 2002.	
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	A14	Naghavi <i>et al.</i> , "From vulnerable plaque to vulnerable patient - Part III: Executive summary of the screening for heart attack prevention and education (SHAPE) task force report." <i>Am. J. Cardiol.</i> , 98(supp): 2H-15H, 2006.	
	A15	Nelson <i>et al.</i> , "Plasma sphingomyelin and subclinical atherosclerosis: Findings from the multi-ethnic study of atherosclerosis." <i>Am. J. Epidemiol.</i> 163:903-12, 2006.	
	A16	Orbe <i>et al.</i> , "Independent association of matrix metalloproteinase-10, cardiovascular risk factors and subclinical atherosclerosis." <i>J. Thromb. Haemost.</i> 5: 91-97, 2007.	
↓	A17	Wang <i>et al.</i> , "Association of C-reactive protein with carotid atherosclerosis in men and women: The Framingham heart study." <i>Arterioscler. Thromb. Vasc. Biol.</i> 22: 1662-1667, 2002.	

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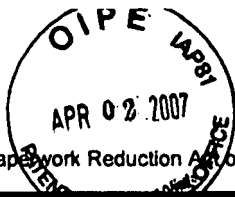
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/U.J./	A1	6,156,521		Buechler et al.	12/05/00	
	A2	6,147,688		Clair	11/14/00	
	A3	6,143,576		Buechler	11/07/00	
	A4	6,113,855		Buechler	09/05/00	
	A5	6,019,944		Buechler	02/01/00	
	A6	5,985,579		Buechler et al.	11/16/99	
	A7	5,955,377		Maul et al.	09/21/99	
	A8	5,947,124		Buechler et al.	09/07/99	
	A9	5,939,272		Buechler et al.	08/17/99	
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	A12	5,851,776		Valkirs	12/22/98	
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	A15	5,795,725		Buechler et al.	08/18/98	
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	A18	5,525,524		Buechler et al.	06/11/96	
	A19	5,480,792		Buechler et al.	01/02/96	
✓	A20	5,453,359		Gargan	09/26/95	

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/U.J./	B2	WO	01/16599 A1		Cornell-Bell et al.	03/08/2001		

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/U.J./	C1	Aggarwal et al., "Evaluation of serum lipid profile and cardiac enzyme changes in cerebrovascular accidents," <i>JIMA</i> , 93:331-332 (1995).		
	C2	Akiyama et al., "Changes in serum concentrations of matrix metalloproteins, tissue inhibitors of metallo proteinases and Type IV collagen in patients with various types of glomerulonephritis," <i>Res. Commun. In Mol. Path. and Pharm.</i> , 95(2): 115-128 (1997).		
	C3	Albrechtsen, M. and Bock, E. J., "Quantification of Glial Fibrillary Acidic Protein (GFAP) in Human Body Fluids by means of ELISA Employing a Monoclonal Antibody, <i>Neuroimmunol.</i> 8:301-309 (1985).		
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	C5	Ardissino, D. <i>et al.</i> , "Tissue-factor antigen and activity in human coronary atherosclerotic plaques," <i>Lancet</i> 349:769-771 (1997).		
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	C7	Austgulen <i>et al.</i> , "Increased maternal plasma levels of soluble adhesion molecules (ICAM-1, VCAM-1, E-selectin) in preclampsia," <i>Eur. J. Obstet. Gynecol. Reprod. Biol.</i> , 71:53-58 (1997).		
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↓	C9	Baker, T. <i>et al.</i> , "Serum metalloproteinases and their inhibitors: markers for malignant potential," <i>Br. J. Cancer</i> 70:506-512 (1994).		

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		Application Number	10/728,067
		Filing Date	12/03/2003
		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	1641
		Examiner Name	Jung
Sheet	3	of	28
		Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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/U.J./	C10	Balogopalakrishna, C. <i>et al.</i> , "Modification of low density lipoproteins by erythrocytes and hemoglobin under hypoxic conditions, <i>Adv. Exp. Med. Biol.</i> 411:337-345 (1997).	
	C11	Bandoh <i>et al.</i> , "Sequential changes of KL-6 in sera of patients with interstitial pneumonia associated with polymyositis/dermatomyositis," <i>Ann. Rheum. Dis.</i> 59:257-62 (2000).	
	C12	Banks <i>et al.</i> , "Circulating intercellular adhesion molecule-1 (ICAM-1), E-selectin and vascular cell adhesion molecule-1 (VCAM-1) in human malignancies," <i>Br. J. Cancer</i> 68:122-124 (1993).	
	C13	Bates <i>et al.</i> , "Neurotrophin-3 promotes cell death induced in cerebral ischemia, oxygen-glucose deprivation, and oxidative stress: possible involvement of oxygen free radicals," <i>Neurobiology of Disease</i> 9: 24-37 (2002).	
	C14	Bayes-Genis, A. <i>et al.</i> , "Elevated levels of plasmin- α 2 antiplasmin complexes in unstable angina," <i>Thromb. Haemost.</i> 81:865-68 (1999).	
	C15	Bazzan, M. <i>et al.</i> , "No evidence of platelet activation during atrial pacing in subjects with stable angina," <i>Cardiologia</i> 34:217-220 (1989).	
	C16	Benamer <i>et al.</i> , "Comparison of the prognostic value of C-reactive protein and troponin I in patients with unstable angina pectoris," <i>Am. J. Cardiol.</i> , 82:845-850 (1998).	
	C17	Bertinchant, J.P. <i>et al.</i> , "Release kinetics of serum cardiac troponin I in ischemic myocardial injury," <i>Clin. Biochem.</i> 29:587-594 (1996).	
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	C21	Biasucci <i>et al.</i> , "Elevated levels of interleukin-6 in unstable angina," <i>Circulation</i> 94:874-877 (1996).	
✓	C22	Biasucci <i>et al.</i> , "Increasing levels of interleukin (IL)-1Ra and IL-6 during the first 2 days of hospitalization in unstable angina are associated with increased risk of in-hospital coronary events," <i>Circulation</i> 99:2079-2084 (1999).	

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		Group Art Unit	1641
		Examiner Name	Jung
(use as many sheets as necessary)		Attorney Docket Number	071949-5604
Sheet	4	of	28

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/U.J./	C23	Bitsch et al., "A longitudinal prospective study of soluble adhesion molecules in acute stroke," <i>Stroke</i> , 29:2129-2135 (1998).	
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	C25	Blann et al., "Soluble intercellular adhesion molecule-1, E-selectin, vascular cell adhesion molecule-1 and von Willebrand factor in stroke," <i>Blood Coagul. Fibrinolysis</i> 10:277-284 (1999).	
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Examiner Name	Jung				
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/U.J./	C37	Caligiuri et al., "Immune system activation follows inflammation in unstable angina: pathogenetic implications," <i>J. Am. Coll. Cardiol.</i> 32:1295-1304 (1998).		
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	C42	Carville, D.G. et al., "Thrombus precursor protein (TpP™): marker of thrombosis early in the pathogenesis of myocardial infarction," <i>Clin. Chem.</i> 42:1537-1541 (1996).		
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	C51	Dao et al., "Utility of B-Type Natriuretic Peptide in the Diagnosis of Congestive Heart Failure in an Urgent-Care Setting," <i>J. Am. Coll. Cardiol.</i> 37:379-85 (2001).	
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	C56	De Rose et al., "Circulating adhesion molecules in cystic fibrosis," <i>Am. J. Respir. Crit. Care Med.</i> 157: 1234-1239 (1998).	
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	C58	Diller, M.P. et al., "Congestive Heart Failure Due to Diastolic or Systolic Dysfunction," <i>Arch Fam Med.</i> 8:414-420 (1999).	
	C59	Dinerman, J.L. et al., "Increased neutrophil elastase release in unstable angina pectoris and acute myocardial infarction," <i>J. Am. Coll. Cardiol.</i> 15:1559-1563 (1990).	
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↓	C63	Egermayer et al., "Usefulness of D-dimer, blood gas, and respiratory rate measurements for excluding pulmonary embolism," <i>Thorax</i> 53:830-34 (1998).	

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	C65	Emsley et al., "Crystal structure of the von Willebrand factor A1 domain and implications for the binding of platelet glycoprotein Ib," <i>Journal of Biological Chemistry</i> 273(17): 10396-10401, (1998).	
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	C69	Ertenli, I. et al., "P-selectin as a circulating molecular marker in rheumatoid arthritis with thrombocytosis," <i>J. Rheumatol.</i> 25:1054-1058 (1998).	
	C70	Estrada et al., "High plasma levels of endothelin-1 and atrial natriuretic peptide in patients with acute ischemic stroke," <i>Am. J. of Hypertension</i> 7(12):1085-1089 (1994).	
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	C72	Feinberg et al., "Hemostatic markers in acute ischemic stroke," <i>Stroke</i> 27:1296-1300 (1996).	
	C73	Portales, P.J. et al., "Utility of the serum biochemical markers CPK, CPK MB mass, myoglobin, and cardiac troponin T in a chest pain unit," <i>Rev. Esp. Cardio.</i> 55(9):913-20 (Sep 2002).	
	C74	Fernandes-Alnemri et al., "CPP32, a novel human apoptotic protein with homology to <i>Caenorhabditis elegans</i> cell death protein Ced-3 and mammalian interleukin-1 β -converting enzyme," <i>Journal of Biological Chemistry</i> 269(49): 30761-30764 (1994).	
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/U.J./	C76	Fon et al., "Hemostatic markers in acute transient ischemic attacks," <i>Stroke</i> 25(2): 282-286 (1994).	
	C77	Forssmann et al., "The endocrine heart and natriuretic peptides: histochemistry, cell biology, and functional aspects of the renal urodilatin system," <i>Histochem Cell Biol</i> 110: 335-357 (1998).	
	C78	Fox, J.E., "Shedding of adhesion receptors from the surface of activated platelets," <i>Blood Coagul. Fibrinolysis</i> 5:291-304 (1994).	
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	C80	Frijns, C.J. et al., "Soluble adhesion molecules reflect endothelial cell activation in ischemic stroke and in carotid atherosclerosis," <i>Stroke</i> 28:2214-2218 (1997).	
	C81	Fujii et al., "Hemostasis in spontaneous subarachnoid hemorrhage," <i>Neurosurgery</i> 37(2): 226-234 (1995).	
	C82	Fujii et al., "Serial changes of hemostasis in aneurysmal subarachnoid hemorrhage with special reference to delayed ischemic neurological deficits," <i>J. Neurosurg.</i> 86:594-602 (1997).	
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	C84	Gabay et al., "Interleukin 1 receptor antagonist (IL-1Ra) is an acute-phase protein," <i>J. Clin. Invest.</i> 99(12): 2930-2940 (1997).	
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	C86	Gamble, J.R. et al., "Prevention of activated neutrophil adhesion to endothelium by soluble adhesion protein," <i>Science</i> 249:414-417 (1990).	
↓	C87	Gando, S. et al., "Increased neutrophil elastase, persistent intravascular coagulation, and decreased fibrinolytic activity in patients with posttraumatic acute respiratory distress syndrome," <i>J. Trauma</i> 42:1068-1072 (1997).	

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		Application Number Filing Date First Named Inventor Group Art Unit Examiner Name Attorney Docket Number	10/728,067 12/03/2003 Kenneth F. Buechler 1641 Jung 071949-5604
Sheet	9	of	28

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/U.J./	C88	Garbisa, S. <i>et al.</i> , "Correlation of serum metalloproteinase levels with lung cancer metastasis and response to therapy," <i>Cancer Res.</i> 52:4548-4549 (1992).	
	C89	Genereau, T. <i>et al.</i> , "Human neutrophil elastase in temporal (Giant Cell) arteritis: plasma and immunohistochemical studies," <i>J. Rheumatol.</i> 25:710-713 (1998).	
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	C91	George <i>et al.</i> , "Evidence for altered hepatic matrix degradation in genetic haemochromatosis," <i>Gut</i> 42: 715-720 (1998).	
	C92	Ghaisas, N.K. <i>et al.</i> , "Elevated levels of circulating soluble adhesion molecules in peripheral blood of patients with unstable angina," <i>Am. J. Cardiol.</i> 80:617-619 (1997).	
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	C94	Giambanco, I. <i>et al.</i> , "Immunohistochemical localization of annexin V (CaBP33) in rat organs," <i>J. Histochem. Cytochem.</i> 39:P1189-1198 (1991).	
	C95	Glatz, J.F. <i>et al.</i> , "Fatty-acid-binding protein as a plasma marker for the estimation of myocardial infarct size in humans," <i>Br. Heart J.</i> 71:135-140 (1994).	
	C96	Gleeson, M. <i>et al.</i> , "The effect of severe eccentric exercise-induced muscle damage on plasma elastase, glutamine and zinc concentrations," <i>Eur. J. Appl. Physiol.</i> 77:543-546 (1998).	
	C97	Gogos <i>et al.</i> , "Pro-versus anti-inflammatory cytokine profile in patients with severe sepsis: a marker for prognosis and future therapeutic options," <i>J. Infect. Dis.</i> 181:176-80 (2000).	
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✓	C100	Goto <i>et al.</i> , "Enhanced shear-induced platelet aggregation in acute myocardial infarction," <i>Circulation</i> 99:608-613 (1999).	

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			Group Art Unit	1641	
			Examiner Name	Jung	
Sheet	10	of	28	Attorney Docket Number	071949-5604

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/U.J./	C101	Grisolia, S. <i>et al.</i> , "Influence of size, protein concentration, protein synthesis inhibitors, and carbon on clearance of enzymes and proteins from blood," <i>Physiol. Chem. Phys.</i> 8:37-52 (1976).		
	C102	Gruber, B.L. <i>et al.</i> , "Markedly elevated serum MMP-9 (Gelatinase B) levels in rheumatoid arthritis: a potentially useful laboratory marker," <i>Clin. Immunol. Immunopathol.</i> 78:161-171 (1996).		
	C103	Gurfinkel, E. <i>et al.</i> , "Importance of thrombosis and thrombolysis in silent ischaemia: comparison of patients with acute myocardial infarction and unstable angina," <i>Br. Heart J.</i> 71:151-55 (1994).		
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	C111	Haznedaroglu, I.C. <i>et al.</i> , "Selectins and IL-6 during the clinical course of idiopathic thrombocytopenic purpura," <i>Acta Haematol.</i> 101:16-20 (1999).		
✓	C112	Herraez-Dominguez, M.V. <i>et al.</i> , "Immunological determination of muscle-type enolase in the serum as a diagnostic test for myocardial infarction," <i>Clin. Chim. Acta</i> 64:307-315 (1975).		

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		Examiner Name	Jung
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/U.J./	C113	Hirashima et al., "Cerebrospinal fluid tissue factor and thrombin-antithrombin III complex as indicators of tissue injury after subarachnoid hemorrhage," <i>Stroke</i> 28:1666-1670 (1997).	
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	C115	Hoffmeister, H.M. et al., "Alterations of coagulation and fibrinolytic and kallibrein-kinin systems in the acute and postacute phases in patients with unstable angina pectoris," <i>Circulation</i> 91:2520-27 (1995).	
	C116	Hoffmeister, H.M. et al., "Correlation between coronary morphology and molecular markers of fibrinolysis in unstable angina pectoris," <i>Atherosclerosis</i> 144:151-157 (1999).	
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	C122	Hunt et al., "The amino-terminal portion of Pro-brain natriuretic peptide (pro-BNP) circulates in human plasma," <i>Biochem. Biophys. Res. Commun.</i> 214:1175-1183 (1995).	
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✓	C124	Iizasa, T. et al., "Elevated levels of circulating plasma matrix metalloproteinase 9 in non-small cell lung cancer patients," <i>Clin. Cancer Res.</i> 5:149-153 (1999).	

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/U.J./	C125	Ikeda, H. <i>et al.</i> , "Increased soluble form of P-selectin in patients with unstable angina," <i>Circulation</i> 92:1693-1696 (1995).	
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	C129	Jacque <i>et al.</i> , "Myelin basic protein in CSF and blood," <i>Arch. Neurol.</i> , 39: 557-560, 1982.	
	C130	James, T., "The variable morphological coexistence of apoptosis and necrosis in human myocardial infarction: significance for understanding its pathogenesis, clinical course, diagnosis and prognosis," <i>Coron. Artery Dis.</i> 9:291-307 (1998).	
	C131	Janoff, A., "Elastase in tissue injury," <i>Annu Rev Med</i> 36:207-216 (1985).	
	C132	Jensen <i>et al.</i> , "Characterization of human brain S100 protein fraction: amino acid sequence of S100 β ," <i>J. Neurochem.</i> 45:700-705 (1985).	
	C133	Jimenez, W. <i>et al.</i> , "Nitric oxide production and inducible nitric oxide synthase expression in peritoneal macrophages of cirrhotic patients," <i>Hepatology</i> 30:670-676 (1999).	
	C134	Johnson <i>et al.</i> , "Activation of matrix-degrading metalloproteinases by mast cell proteases in atherosclerotic plaques," <i>Arterioscler. Thromb. Vasc. Biol.</i> 18:1707-1715 (1998).	
	C135	Johnsson <i>et al.</i> , "Markers of cerebral ischemia after cardiac surgery," <i>J. Cardiothorac. Vasc. Anesth.</i> 10: 120-126 (1996).	
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✓	C137	Kai, H. <i>et al.</i> , "Peripheral blood levels of matrix metalloproteinases-2 and -9 are elevated in patients with acute coronary syndromes," <i>J. Am. Coll. Cardiol.</i> 32:368-372 (1998).	

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/U.J./	C138	Kaikita, K. <i>et al.</i> , "Soluble P-selectin is released into the coronary circulation after coronary spasm," <i>Circulation</i> 92:1726-1730 (1995).		
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	C141	Kaneko, N. <i>et al.</i> , "Measurement of plasma annexin V by ELISA in the early detection of acute myocardial infarction," <i>Clin. Chim. Acta</i> 251:65-80 (1996).		
	C142	Katayama, M. <i>et al.</i> , "Soluble P-selectin is present in normal circulation and its plasma level is elevated in patients with thrombotic thrombocytopenic purpura and haemolytic uraemic syndrome," <i>Br. J. Haematol.</i> 84:702-710 (1993).		
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	C144	Kato, K. and Kimura, "S100 α ($\alpha\alpha$) protein is mainly located in the heart and striated muscles," <i>S., Biochim. Biophys. Acta</i> 842:146-150 (1985).		
	C145	Kaye, D.M. <i>et al.</i> , "The failing human heart does not release nitrogen oxides," <i>Life Sci.</i> 62:883-887 (1998).		
	C146	Keyszer <i>et al.</i> , "Circulating levels of matrix metalloproteinases MMP-3 and MMP-1, tissue inhibitor of metalloproteinases 1 (TIMP-1), and MMP-1/TIMP-1 complex in rheumatic disease. Correlation with clinical activity of rheumatoid arthritis versus other surrogate markers," <i>J. Rheumatol.</i> , 26:251-258 (1999).		
	C147	Keyszer, G. <i>et al.</i> , "Matrix metalloproteinases, but not catharsis B, H, and L or their inhibitors in peripheral blood of patients with rheumatoid arthritis are potentially useful markers of disease activity," <i>Z Rheumatol.</i> 57:392-398 (1998).		
	C148	Kienast, J. <i>et al.</i> , "Prothrombin activation fragment 1 + 2 and thrombin antithrombin III complexes in patients with angina pectoris: relation to the presence and severity of coronary atherosclerosis," <i>Thromb. Haemost.</i> 70:550-553 (1993).		
✓	C149	Kikuchi, T. <i>et al.</i> , "Clinical evaluation of serum S100 α protein in patients with urogenital diseases and healthy volunteers," <i>Hinyokika Kiyo</i> 36:1117-1123 (1990).		

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/U.J./	C150	Kim et al., "Cytokines and adhesion molecules in stroke and related diseases," <i>J. Neurol. Sci.</i> , 137:69-78 (1996).	
	C151	Kim et al., "Kidney as a major clearance organ for recombinant human interleukin-1 receptor antagonist," <i>J. Pharm. Sci.</i> , 84:575-580 (1995).	
	C152	Kim et al., "Structure of the mouse IL-10 gene and chromosomal localization of the mouse and human genes," <i>J. Immunol.</i> 148:3618-23 (1992).	
	C153	Kobayashi and Kitamura, "KL-6: a serum marker for interstitial pneumonia," <i>Chest</i> 108:311-15 (1995).	
	C154	Kohno, "Serum marker KL-6/MUC1 for the diagnosis and management of interstitial pneumonitis," <i>J. Med. Invest.</i> 46:151-58 (1999).	
	C155	Koller et al., "Clinical value of monitoring eosinophil activity in asthma," <i>Arch. Dis. Childhood</i> 73:413-7 (1995).	
	C156	Konstantinides S. et al., "Importance of cardiac troponins I and T in risk stratification of patients with acute pulmonary embolism," <i>Circulation</i> 106(10):1263-8 (Sept 2002).	
	C157	Kosar, F. et al., "Plasma leukocyte elastase concentration and coronary artery disease," <i>Angiology</i> 49:193-201 (1998).	
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				Filing Date	12/03/2003
				First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
Sheet	15	of	28	Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
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/U.J./	C163	Krupinski, J. et al., "Protein kinase C expression and activity in the human brain after ischaemic stroke," <i>Acta Neurobiol. Exp. (Warz)</i> 58:13-21 (1998).			
	C164	Kruskal, J.B. et al., "Fibrin and fibrinogen-related antigens in patients with stable and unstable coronary artery disease," <i>N. Engl. J. Med.</i> 317: 1361-65 (1987).			
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	C167	Kuwasako et al., "Increased plasma proadrenomedullin N-terminal 20 peptide in patients with essential hypertension," <i>Ann. Clin. Biochem.</i> 36:622-628 (1999).			
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	C169	Landi et al., "Hypercoagulability in acute stroke: Prognostic significance," <i>Neurol.</i> , 37:1667-1671 (1987).			
	C170	Laskowitz et al., "Serum markers of cerebral ischemia," <i>J. Stroke Cerebrovasc. Dis.</i> , 7:234-241 (1998).			
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	C173	Lee et al., "Insulin-like growth factors and cerebral ischemia," <i>Ann. N.Y. Acad. Sci.</i> 679:418-422 (1993).			
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/U.J./	C177	Li et al., "The expression of monocyte chemotactic protein (MCP-1) in human vascular endothelium <i>in vitro</i> and <i>in vivo</i> ," <i>Mol. Cell. Biochem.</i> 126:61-68 (1993).	
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/U.J./	C189	Mair, J., "Progress in myocardial damage detection: new biochemical markers for clinicians," <i>Crit. Rev. Clin. Lab. Sci.</i> 34:1-66 (1997).	
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	C197	Matsumori <i>et al.</i> , "Plasma levels of the monocyte chemotactic and activating factor/monocyte chemoattractant protein-1 are elevated in patients with acute myocardial infarction," <i>J. Mol. Cell. Cardiol.</i> , 29:419-423 (1997).	
	C198	Mehta, J. <i>et al.</i> , "Neutrophil function in ischemic heart disease," <i>Circulation</i> 79:549-556 (1989).	
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	C200	Michelson, A.D. <i>et al.</i> , "In vivo tracking of platelets: circulating degranulated platelets rapidly lose surface P-selectin but continue to circulate and function," <i>Proc. Natl. Acad. Sci. U S A.</i> 93:11877-11882 (1996).	
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/U.J./	C202	Misumi, K. <i>et al.</i> , "Comparison of plasma tissue factor levels in unstable and stable angina pectoris," <i>Am. J. Cardiol.</i> 81:22-26 (1998).		
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	C209	Morita, T. <i>et al.</i> , "Evaluation of serum S100a protein in patients with renal cell carcinoma," <i>Nippon Hinyokika Gakkai Zasshi</i> 81:1162-1167 (1990).		
	C210	Mowla <i>et al.</i> , "Biosynthesis and post-translational processing of the precursor to brain-derived neurotrophic factor," <i>J.Biol. Chem.</i> 276: 12660-12666 (2001).		
	C211	Mulrow <i>et al.</i> , "Discriminating causes of dyspnea through clinical examination," <i>J. Gen. Int. Med.</i> 8:383-92 (1993).		
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	C213	Mun-Bryce <i>et al.</i> , "Matrix metalloproteinases in cerebrovascular disease," <i>J. Cereb. Blood Flow Metab.</i> 18:1163-1172 (1998).		
↓	C214	Murawaki, Y. <i>et al.</i> , "Serum matrix metalloproteinase-1 in patients with chronic viral hepatitis," <i>J. Gastroenterol. Hepatol.</i> 14:138-145 (1999).		

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/U.J./	C215	Murawaki, Y. <i>et al.</i> , "Clinical usefulness of serum matrixmetalloproteinase-2 concentration in patients with chronic viral liver disease," <i>J. Hepatol.</i> 30:1090-1098 (1999).		
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	C218	Ng and Ilag, "Biomedical applications of protein chips,' <i>J. Cell Mol. Med.</i> 6:329-340 (2002).		
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	C221	Nishiyama et al., "Simultaneous elevation of the levels of circulating monocyte chemoattractant protein-1 and tissue factor in acute coronary syndromes," <i>Jpn. Circ. J.</i> 62:710-712 (1998).		
	C222	Nishizawa et al., "Protein kinase Cδ and α are involved in the development of vasospasm after subarachnoid hemorrhage," <i>Eur. J. Pharmacol.</i> 398: 113-119 (2000).		
	C223	Nomura, M. <i>et al.</i> , "Serum β-enolase in acute myocardial infarction," <i>Br. Heart J.</i> 58:29-33 (1987).		
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		Application Number	10/728,067
		Filing Date	12/03/2003
		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	1641
Examiner Name	Jung		
Attorney Docket Number	071949-5604		
Sheet	21	of	28

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/U.J./	C240	Polin et al., "Detection of soluble E-selectin, ICAM-1, VCAM-1, and L-selectin in the cerebrospinal fluid of patients after subarachnoid hemorrhage," <i>J. Neurosurg.</i> 89:559-567 (1998).	
	C241	Prickett et al., "Identification of amino-terminal pro-C-type natriuretic peptide in human plasma," <i>Biochem. Biophys. Res. Commun.</i> 286:513-517 (2001).	
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	C249	Romanic et al., "Matrix metalloproteinase expression increases after cerebral focal ischemia in rats," <i>Stroke</i> 29:1020-1030 (1998).	
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	C251	Rossi et al., "Natriuretic peptide levels in atrial fibrillation," <i>Journal of the American College of Cardiology</i> 35: 1256-62 (2000).	
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		Attorney Docket Number	071949-5604

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/U.J./	C253	Rubattu et al., "The gene encoding atrial natriuretic peptide and the risk of human stroke," <i>Circulation</i> 100:1722-1726 (1999).	
	C254	Rucinski et al., "Clearance of human platelet factor 4 by liver and kidney: its alteration by heparin," <i>Am. J. Physiol.</i> 251: H800-H807 (1986).	
	C255	Sagnella, G.A., "Measurement and significance of circulating natriuretic peptides in cardiovascular disease," <i>Clinical Science</i> 95:519-29 (1998).	
	C256	Sakamaki, F. et al., "Soluble form of P-selectin in plasma is elevated in acute lung injury," <i>A. J. Respir. Crit. Care Med.</i> 151:1821-1826 (1995).	
	C257	Sakata, K. et al., "Characteristics of vasospastic angina with exercised-induced ischemia—analysis of parameters of hemostasis and fibrinolysis—," <i>Jpn. Circ. J.</i> 60:277-284 (1996).	
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				Filing Date	12/03/2003
				First Named Inventor	Kenneth F. Buechler
				Group Art Unit	1641
				Examiner Name	Jung
Sheet	23	of	28	Attorney Docket Number	071949-5604

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
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/U.J./	C267	Seki et al., "Plasma levels of thrombomodulin and lipoprotein (a) in patients with cerebral thrombosis," <i>Blood Coagul. Fibrinolysis</i> 8:391-396 (1997).		
	C268	Seymour, L. et al., "Tissue platelet derived-growth factor (PDGF) predicts for shortened survival and treatment failure in advanced breast cancer," <i>Breast Cancer Res. Treat.</i> 26:247-252 (1993).		
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	C270	Shibata, M. et al., "Effect of magnesium sulfate pretreatment and significance of matrix metalloproteinase-1 and interleukin-6 Levels in coronary reperfusion therapy for patients with acute myocardial infarction," <i>Angiology</i> 50:573-582 (1999).		
	C271	Shimomura, H. et al., "Serial changes in plasma levels of soluble P-selectin in patients with acute myocardial infarction," <i>Am. J. Cardiol.</i> 81:397-400 (1998).		
	C272	Shyu et al., "Serum levels of intercellular adhesion molecule-1 and E-selectin in patients with acute ischaemic stroke," <i>J. Neurol.</i> 244:90-93 (1997).		
	C273	Siess, W., "Lysophosphatidic acid mediates the rapid activation of platelets and endothelial cells by mildly oxidized low density lipoprotein and accumulates in human atherosclerotic lesions," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 96, 6931-6936 (1999).		
	C274	Sixma et al., "Von Willebrand factor and the blood vessel wall," <i>Mayo Clin. Proc.</i> 66:628-633 (1991).		
	C275	Skogseid et al., "Increased serum creatine kinase BB and neuron specific enolase following head injury indicates brain damage," <i>Acta Neurochir (Wein)</i> , 115: 106-111 (1992).		
	C276	Sobel, M. et al., "Circulating platelet products in unstable angina pectoris," <i>Circulation</i> 63:300-306 (1981).		
	C277	Soejima, H. et al., "Heightened tissue factor associated with tissue factor pathway inhibitor and prognosis in patients with unstable angina," <i>Circulation</i> 99:2908-2913 (1999).		
↓	C278	Soejima, H. et al., "Angiotensin-converting enzyme inhibition reduces monocyte chemoattractant protein-1 and tissue factor levels in patients with myocardial infarction," <i>J. Am. Coll. Cardiol.</i> 34:983-988 (1999).		

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		Filing Date	12/03/2003
		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	1641
		Examiner Name	Jung
(use as many sheets as necessary)		Attorney Docket Number	071949-5604
Sheet	24	of	28

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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/U.J./	C279	Sorbi et al., "Elevated levels of 92-kd type IV collagenase (Matrix metalloproteinase 9) in giant cell arteritis," <i>Arthritis Rheum.</i> 39:1747-1753 (1996).	
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	C282	Squadrito, F. et al., "Thrombolytic therapy with urokinase reduces increased circulating endothelial adhesion molecules in acute myocardial infarction," <i>Inflamm. Res.</i> 45:14-19 (1996).	
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	C284	Stockman et al., "Secondary structure and topology of interleukin-1 receptor antagonist protein determined by heteronuclear three-dimensional NMR spectroscopy," <i>Biochemistry</i> 31:5237-5245 (1992).	
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	C287	Switaiska et al., "Radioimmunoassay of human platelet thrombospondin: different patterns of thrombospondin and β -thromboglobulin antigen secretion and clearance from the circulation," <i>J. Lab. Clin. Med.</i> 106: 690-700 (1985).	
	C288	Taira et al., "Serum B12 tryptase level as a marker of allergic airway inflammation in asthma," <i>J. Asthma</i> 39:315-22 (2002).	
	C289	Takahashi et al., "Tissue factor in plasma of patients with disseminated intravascular coagulation," <i>Am. J. Hematol.</i> 46:333-337 (1994).	
↓	C290	Takeda, I. et al., "Soluble P-selectin in the plasma of patients with connective tissue diseases," <i>Int. Arch. Allergy Immunol.</i> 105:128-134 (1994).	

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		Group Art Unit	1641
Examiner Name	Jung	Attorney Docket Number	071949-5604
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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/U.J./	C291	Tanaka, M. and Suzuki, A., "Hemostatic abnormalities in acute myocardial infarction as detected by specific blood markers, <i>Thromb. Res.</i> 76:289-98 (1994).	
	C292	Tanaka, T. <i>et al.</i> , "Serum and urinary human heart fatty acid-binding protein in acute myocardial infarction," <i>Clin. Biochem.</i> 24:195-201 (1991).	
	C293	Tanasijevic, M.J., "The role of cardiac troponin-I (cTnI) in risk stratification of patients with unstable coronary artery disease," <i>et al.</i> , <i>Clin. Cardiol.</i> 22:13-16 (1999).	
	C294	Tateyama <i>et al.</i> , "Concentrations and molecular forms of human brain natriuretic peptide in plasma," <i>Biochem. Biophys. Res. Commun.</i> 185:760-7 (1992).	
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	C300	Tohgi <i>et al.</i> , "Coagulation-fibrinolysis abnormalities in acute and chronic phases of cerebral thrombosis and embolism," <i>Stroke</i> 21: 1663-1667 (1990).	
	C301	Tomoda, H. and Aoki, N., "Plasma soluble P-selectin in acute myocardial infarction: effects of coronary recanalization therapy," <i>Angiology</i> 49:807-813 (1998).	
	C302	Tousoulis <i>et al.</i> , "Von Willebrand factor in patients evolving Q-wave versus non-Q-wave acute myocardial infarction," <i>Int. J. Cardiol.</i> 56:259-262 (1996).	
↓	C303	Trotter <i>et al.</i> , "Immunoreactive myelin proteolipid protein-like activity in cerebrospinal fluid and serum of neurologically impaired patients," <i>Ann. Neurol.</i> , 14: 554-558 (1983).	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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/U.J.	C304	Tsuji, R. <i>et al.</i> , "Human heart-type cytoplasmic fatty acid-binding protein in serum and urine during hyperacute myocardial infarction," <i>Int. J. Cardiol.</i> 41:209-217 (1993).	
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	C309	Usui, A. <i>et al.</i> , "S-100a ₀ protein in blood and urine during open-heart surgery," <i>Clin. Chem.</i> 35:1942-1944 (1989).	
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	C314	Venge, "Serum measurements of eosinophil cationic protein (ECP) in bronchial asthma," <i>Clinical and experimental allergy</i> , 23 (2):3-7 (1993).	
	C315	Viera <i>et al.</i> , "Isolation and expression of human cytokine synthesis inhibitory factor cDNA clones: homology to Epstein-Barr virus open reading frame BCRF1," <i>Proc. Natl. Acad. Sci. USA</i> 88:1172-76 (1991).	
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		Filing Date	12/03/2003
		First Named Inventor	Kenneth F. Buechler
		Group Art Unit	1641
		Examiner Name	Jung
Sheet	27	of	28
		Attorney Docket Number	071949-5604

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/U.J./	C317	Wallace, J.M. <i>et al.</i> , "The assessment of platelet derived growth factor concentration in post myocardial infarction and stable angina patients," <i>Ann. Clin. Biochem.</i> 35:236-241 (1998).	
	C318	Ward <i>et al.</i> , "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> ," <i>Nature</i> 341:544-546 (1989).	
	C319	Whicher <i>et al.</i> , "Procalcitonin as an acute phase marker," <i>Ann. Clin. Biochem.</i> 38: 483-93 (2001).	
	C320	Wilkins <i>et al.</i> , "The natriuretic-peptide family," <i>Lancet</i> , 349:1307-1310 (1997).	
	C321	Wilson <i>et al.</i> , "Simplified conjugation chemistry for coupling peptides to F(ab') fragments: autologous red cell agglutination assay for HIV-1 antibodies," <i>J. Immunol. Methods</i> 175:267-273 (1994).	
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	C327	Yap <i>et al.</i> , "Contraction to big endothelin-1, big endothelin-2 and big endothelin-3, and endothelin-converting enzyme inhibition in human isolated bronchi," <i>Br. J. Pharmacol.</i> 129:170-6 (2000).	
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↓	C329	Yazdani, S. <i>et al.</i> , "Percutaneous interventions alter the hemostatic profile of patients with unstable versus stable angina," <i>J Am Coll Cardiol</i> 30:1284-1287 (1997).	

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/U.J./	C330	Yoneda et al., "Identification of a novel adenylate kinase system in the brain: Cloning of the fourth adenylate kinase," <i>Mol. Brain Res.</i> 62:187-195 (1998).	
	C331	Yoshimoto, K. et al., "Human heart-type cytoplasmic fatty acid-binding protein as an indicator of acute myocardial infarction," <i>Heart Vessels</i> 10:304-309 (1995).	
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